

# JCL/JCS Requirements and Examples

This section describes the job control information required to run ADACNV with BS2000, z/OS, z/VM, and VSE systems, and shows examples of each of the job streams.

This chapter covers the following topics:

- BS2000
- z/OS
- z/VM
- VSE

## BS2000

Data Set	Link Name	Storage	More Information
Associator	DDASSORn	disk	
Data Storage	DDDATARn	disk	
Work	DDWORKR1	disk	
Multiple protection logs	DDPLOGRn	disk	
Intermediate storage	DDFILEA	tape/ disk	see Note
ADARUN parameters	SYSDTA/ DDCARD		<i>Operations</i>
ADACNV parameters	SYSDTA/ DDKARTE		
ADARUN messages	SYSOUT/ DDPRINT		<i>Messages and Codes</i>
ADACNV messages	SYSLST/ DDDRUCK		<i>Messages and Codes</i>

### Note:

The intermediate storage is read an undefined number of times. If this storage is on tape/cassette, it is necessary to use the ADARUN parameter TAPEREL=NO to prevent the tape from being released. Software AG then recommends that you put a tape release command in the job to free the tape/cassette unit when the job has finished. See the example following.

## ADACNV JCL Example (BS2000)

### With Intermediate Disk File Storage

#### In SDF Format:

```
/.ADACNV LOGON
/MODIFY-TEST-OPTIONS DUMP=YES
/REMARK *
/REMARK * A D A C N V CONVERT THE DATABASE TO NEW VERSION
/REMARK *
/DELETE-FILE ADAyyyyy.FILEA
```

```

/SET-JOB-STEP
/CREATE-FILE ADAyyyyyy.FILEA,PUB( SPACE=( 4800,480 ) )
/SET-JOB-STEP
/ASS-SYSLST L.CNV.DATA
/ASS-SYSDTA *SYSCMD
/SET-FILE-LINK DDLIB,ADAvrs.MOD
/SET-FILE-LINK DDASSOR1,ADAYyyyyy.ASSO,SHARE-UPD=YES
/SET-FILE-LINK DDDATAR1,ADAYyyyyy.DATA,SHARE-UPD=YES
/SET-FILE-LINK DDWORKR1,ADAYyyyyy.WORK,SHARE-UPD=YES
/SET-FILE-LINK DDPLOGR1,ADAYyyyyy.PLOGR1,SHARE-UPD=YES
/SET-FILE-LINK DDPLOGR2,ADAYyyyyy.PLOGR2,SHARE-UPD=YES
/SET-FILE-LINK DDFILEA,ADAYyyyyy.FILEA
/START-PROGRAM *M(ADA.MOD,ADARUN),PR-MO=ANY
ADARUN PROG=ADACNV,DB=yyyyyy,IDTNAME=ADABAS5B
ADACNV CONVERT TOVERS=vr
/LOGOFF SYS-OUTPUT=DEL

```

### In ISP Format:

```

/.ADACNV LOGON
/OPTION MSG=FH,DUMP=YES
/REMARK *
/REMARK * A D A C N V CONVERT THE DATABASE TO NEW VERSION
/REMARK *
/SYSFILE SYSLST=L.CNV.DATA
/FILE ADA.MOD,LINK=DDLIB
/FILE ADAYyyyyy.ASSO,LINK=DDASSOR1,SHARUPD=YES
/FILE ADAYyyyyy.DATA,LINK=DDATAR1,SHARUPD=YES
/FILE ADAYyyyyy.WORK,LINK=DDWORKR1,SHARUPD=YES
/FILE ADAYyyyyy.PLOGR1,LINK=DDPLOGR1,SHARUPD=YES
/FILE ADAYyyyyy.PLOGR2,LINK=DDPLOGR2,SHARUPD=YES
/FILE ADAYyyyyy.FILEA,LINK=DDFILEA,SPACE=( 4800,480 )
/EXEC (ADARUN,ADA.MOD)
ADARUN PROG=ADACNV,DB=yyyyyy,IDTNAME=ADABAS5B
ADACNV CONVERT TOVERS=vr
/LOGOFF NOSPOOL

```

### With Intermediate Tape/Cassette File Storage

#### In SDF Format:

```

/.ADACNV LOGON
/MODIFY-TEST-OPTIONS DUMP=YES
/REMARK *
/REMARK * A D A C N V CONVERT THE DATABASE TO NEW VERSION
/REMARK * INTERMEDIATE TAPE/CASSETTE STORAGE
/REMARK *
/DELETE-FILE ADAyyyyyy.FILEA
/SET-JOB-STEP
/CREATE-FILE ADAyyyyyy.FILEA,TAPE(DEV-TYPE=T-C1,VOL=ADA001)
/SET-JOB-STEP
/ASS-SYSLST L.CNV.DATA
/ASS-SYSDTA *SYSCMD
/SET-FILE-LINK DDLIB,ADAvrs.MOD
/SET-FILE-LINK DDASSOR1,ADAYyyyyy.ASSO,SHARE-UPD=YES
/SET-FILE-LINK DDDATAR1,ADAYyyyyy.DATA,SHARE-UPD=YES
/SET-FILE-LINK DDWORKR1,ADAYyyyyy.WORK,SHARE-UPD=YES
/SET-FILE-LINK DDPLOGR1,ADAYyyyyy.PLOGR1,SHARE-UPD=YES
/SET-FILE-LINK DDPLOGR2,ADAYyyyyy.PLOGR2,SHARE-UPD=YES
/SET-FILE-LINK DDFILEA,ADAYyyyyy.FILEA,TAPE(FILE-SEQ=1),OPEN-MODE=OUTIN
/START-PROGRAM *M(ADA.MOD,ADARUN),PR-MO=ANY
ADARUN PROG=ADACNV,DB=yyyyyy,IDTNAME=ADABAS5B,TAPEREL=NO

```

```
ADACNV CONVERT TOVERS=vr
/SET-JOB-STEP
/REMARK * NOW RELEASE THE TAPE
/REM-FILE-LINK DDFILEA,UNL-REL-TAPE=YES
/LOGOFF SYS-OUTPUT=DEL
```

### In ISP Format:

```
/.ADACNV LOGON
/OPTION MSG=FB,DUMP=YES
/REMARK *
/REMARK * A D A C N V CONVERT THE DATABASE TO NEW VERSION
/REMARK * INTERMEDIATE TAPE/CASSETTE STORAGE
/REMARK *
/SYSFILE SYSLST=L.CNV.DATA
/FILE ADA.MOD,LINK=DDLIB
/FILE ADAyyyyyy.ASSO,LINK=DDASSOR1,SHARUPD=YES
/FILE ADAyyyyyy.DATA,LINK=DDDATAR1,SHARUPD=YES
/FILE ADAyyyyyy.WORK,LINK=DDWORKR1,SHARUPD=YES
/FILE ADAyyyyyy.PLOGR1,LINK=DDPLOGR1,SHARUPD=YES
/FILE ADAyyyyyy.PLOGR2,LINK=DDPLOGR2,SHARUPD=YES
/FILE ADAyyyyyy.FILEA,LINK=DDFILEA,DEVICE=T C1,VOLUME=ADA001

/EXEC (ADARUN,ADA.MOD)
ADARUN PROG=ADACNV,DB=yyyyyy,IDTNAME=ADABAS5B,TAPEREL=NO
ADACNV CONVERT TOVERS=vr
/STEP
/REMARK * NOW RELEASE THE TAPE
/REL DDFILEA,UNLOAD
/LOGOFF NOSPOOL
```

## z/OS

Data Set	DD Name	Storage	More Information
Associator	DDASSORn	disk	
Data Storage	DDDATARn	disk	
Work	DDWORKR1 DDWORKR4	disk	
Multiple protection logs	DDPLOGRn	disk	
Intermediate storage	DDFILEA	tape/ disk	
ADARUN parameters	DDCARD	reader	<i>Operations</i>
ADACNV parameters	DDKARTE	reader	
ADARUN messages	DDPRINT	printer	<i>Messages and Codes</i>
ADACNV messages	DDDRUCK	printer	<i>Messages and Codes</i>

### ADACNV JCL Example (z/OS)

Refer to ADACNV in the JOBS data set for this example.

```
//ADACNV JOB
//*
//* ADACNV:
//* EXAMPLE HOW TO USE ADACNV TO CONVERT DATABASE
//* TO A DIFFERENT VERSION
//*
//CNV EXEC PGM=ADARUN
//STEPLIB DD DISP=SHR,DSN=ADABAS.ADAvrs.LOAD <=== ADABAS LOAD
//*
//DDASSOR1 DD DISP=SHR,DSN=EXAMPLE.DByyyyyy.ASSOR1 <=== ASSO
//DDDATAR1 DD DISP=SHR,DSN=EXAMPLE.DByyyyyy.DATAR1 <=== DATA
//DDWORKR1 DD DISP=SHR,DSN=EXAMPLE.DByyyyyy.WORKR1 <=== WORK
//DDPLOGR1 DD DSN=EXAMPLE.DByyyyyy.PLOGR1,DISP=SHR <=== PLOG 1
//DDPLOGR2 DD DSN=EXAMPLE.DByyyyyy.PLOGR2,DISP=SHR <=== PLOG 2

//DDFILEA DD DSN=EXAMPLE.DByyyyyy.FILEA, <=== INTERMEDIATE FILE
// UNIT=SYSDA,SPACE=(TRK,(150,150),RLSE),
// DISP=(NEW,CATLG)
//DDDRUCK DD SYSOUT=X
//DDPRINT DD SYSOUT=X
//SYSUDUMP DD SYSOUT=X
//DDCARD DD *
ADARUN PROG=ADACNV,SVC=xxx,DE=dddd,DBID=yyyyy
/*
//DDKARTE DD *
ADACNV CONVERT TOVERS=vr
/*
```

## z/VM

Data Set	DD Name	Storage	More Information
Associator	DDASSORn	disk	
Data Storage	DDDATARn	disk	
Work	DDWORKR1 DDWORKR4	disk	
Multiple protection logs	DDPLOGRn	disk	
Intermediate storage	DDFILEA	tape/ disk	
ADARUN parameters	DDCARD	disk/ terminal/ reader	<i>Operations</i>
ADACNV parameters	DDKARTE	disk/ terminal/ reader	
ADARUN messages	DDPRINT	disk/ terminal/ printer	<i>Messages and Codes</i>
ADACNV messages	DDDRUCK	disk/ terminal/ printer	<i>Messages and Codes</i>

## ADACNV JCL Example (z/VM)

```
DATADDEF DDDATAR1,DSN=ADABASv.DATA,VOL=DATAV1
DATADDEF DDASSOR1,DSN=ADABASv.ASSO,VOL=ASSOV1
DATADDEF DDWORKR1,DSN=ADABASv.WORK,VOL=WORKV1
DATADDEF DDPLOGR1,DSN=ADABASv.PLOGR1,VOL=PLOGV
DATADDEF DDPLOGR2,DSN=ADABASv.PLOGR2,VOL=PLOGV
DATADDEF DDFILEA,DSN=ADACNV.FILEA,MODE=A
DATADDEF DDPRINT,DSN=ADACNV.DDPRINT,MODE=A
DATADDEF DUMP,DUMMY
```

```

DATADEF DDDRUCK , DSN=ADACNV . DDDRUCK , MODE=A
DATADEF DDCARD , DSN=RUNCNV . CONTROL , MODE=A
DATADEF DDKARTE , DSN=CONVERT . CONTROL , MODE=A
ADARUN

```

### Contents of RUNCNV CONTROL A1:

```
ADARUN PROG=ADACNV , DEVICE=dddd , DB=yyyyy
```

### Contents of CONVERT CONTROL A1:

```
ADACNV CONVERT TOVERS=vr
```

## VSE

File	File Name	Storage	Logical Unit	More Information
Associator	ASSORn	disk	*	
Data Storage	DATARn	disk	*	
Work	WORKRn	disk	*	
Multiple protection logs	PLOGRn	disk	*	
Intermediate storage	FILEA	tape disk	SYS010 *	
ADARUN parameters	- CARD CARD	reader tape disk	SYSRDR SYS000 *	<i>Operations</i>
ADACNV parameters	-	reader	SYSIPT	
ADARUN messages	-	printer	SYSLST	<i>Messages and Codes</i>
ADACNV messages	-	printer	SYS009	<i>Messages and Codes</i>

\* Any programmer logical unit may be used.

### ADACNV JCS Example (VSE)

See Library and File Procedures for VSE Examples for a description of the VSE procedures.

Refer to member ADACNV.X for this example.

```

* $$ JOB JNM=ADACNV , CLASS=A , DISP=D
* $$ LST CLASS=A , DISP=D
* CONVERT DATABASE TO NEW VERSION
// JOB ADACNV
// EXEC PROC=ADAVvLIB
// EXEC PROC=ADAVvFIL

```

```
// DLBL FILEA,'ADACNV.WORK.FILE',0,SD
// EXTENT SYS015,,,,ssss,nnnn
// ASSGN SYS015,DISK,VOL=vvvvvv,SHR
// EXEC ADARUN,SIZE=ADARUN
ADARUN DBID=yyyyy,DEVICE=dddd,PROG=ADACNV,SVC=xxx
/*
ADACNV CONVERT TOVERS=vr
/*
/&
* $$ EOJ
```